

**FIG. 1**

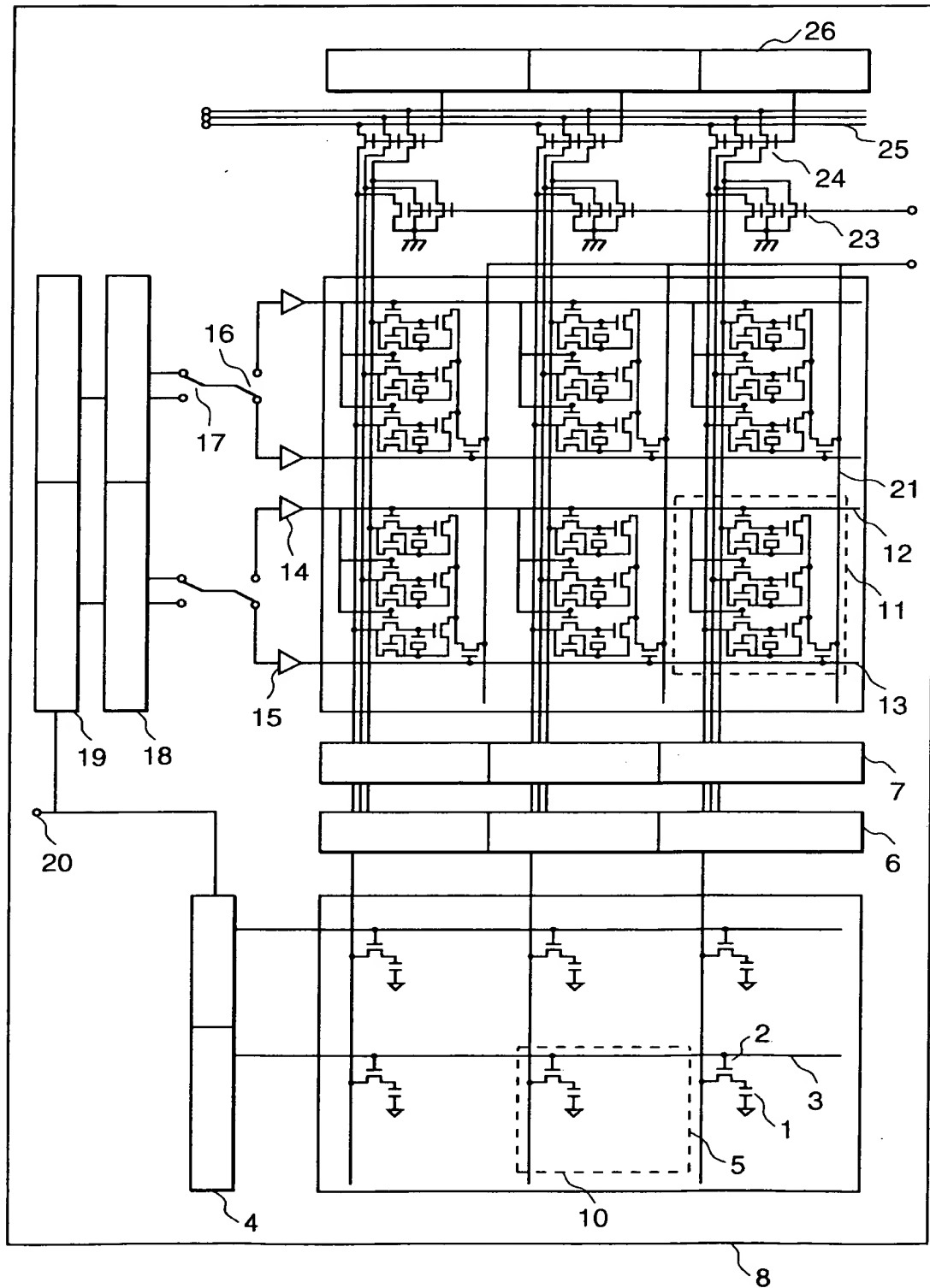


FIG. 2

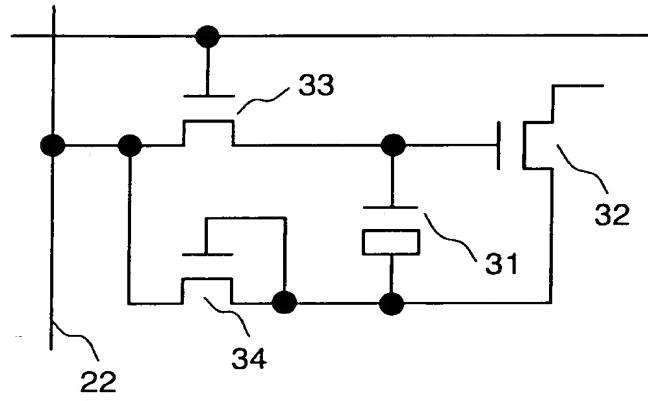


FIG. 3

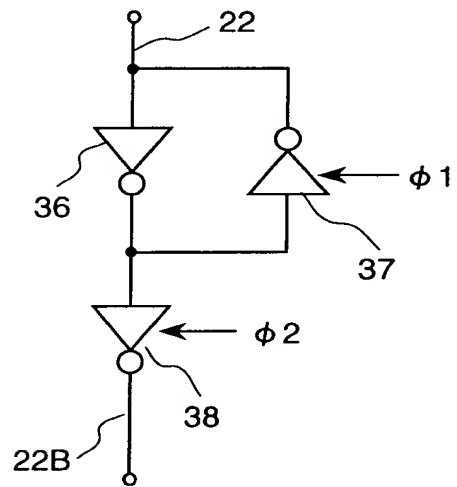


FIG. 4

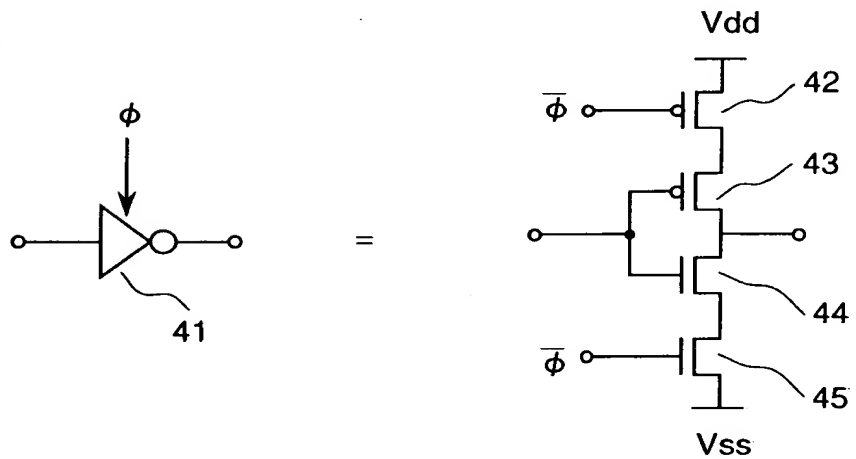


FIG. 5

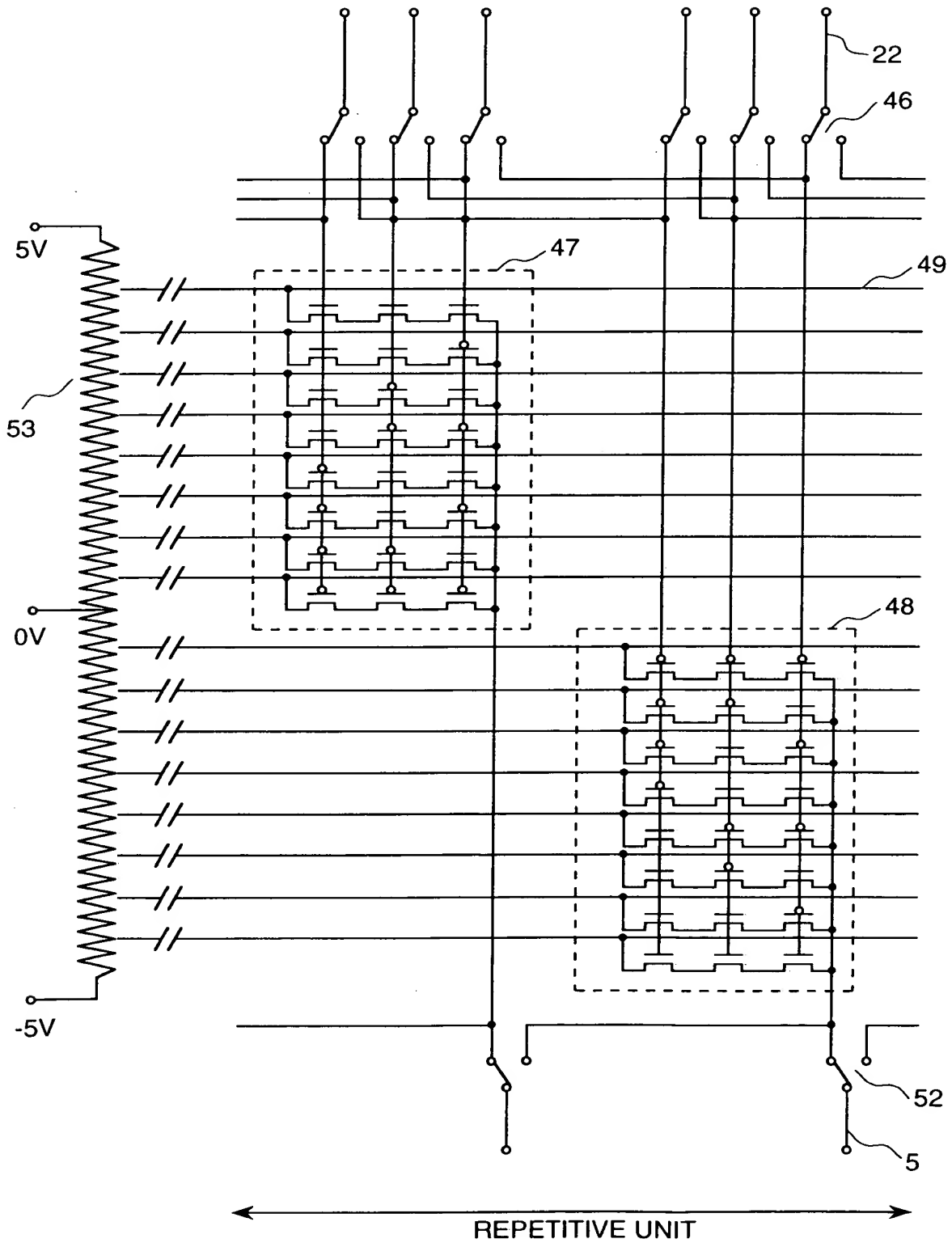


FIG. 6

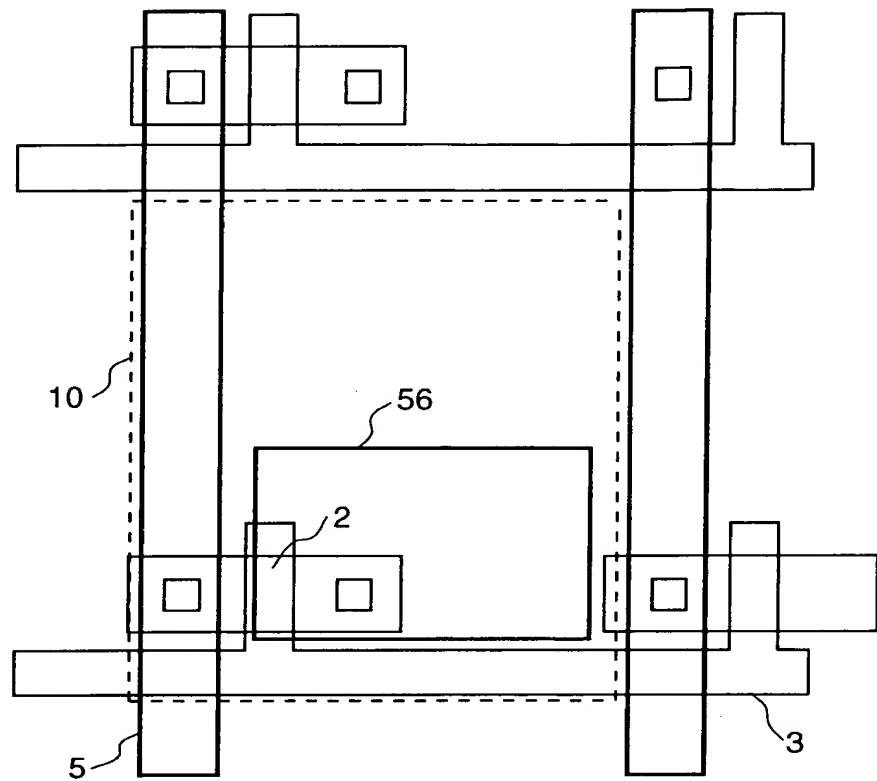


FIG. 7

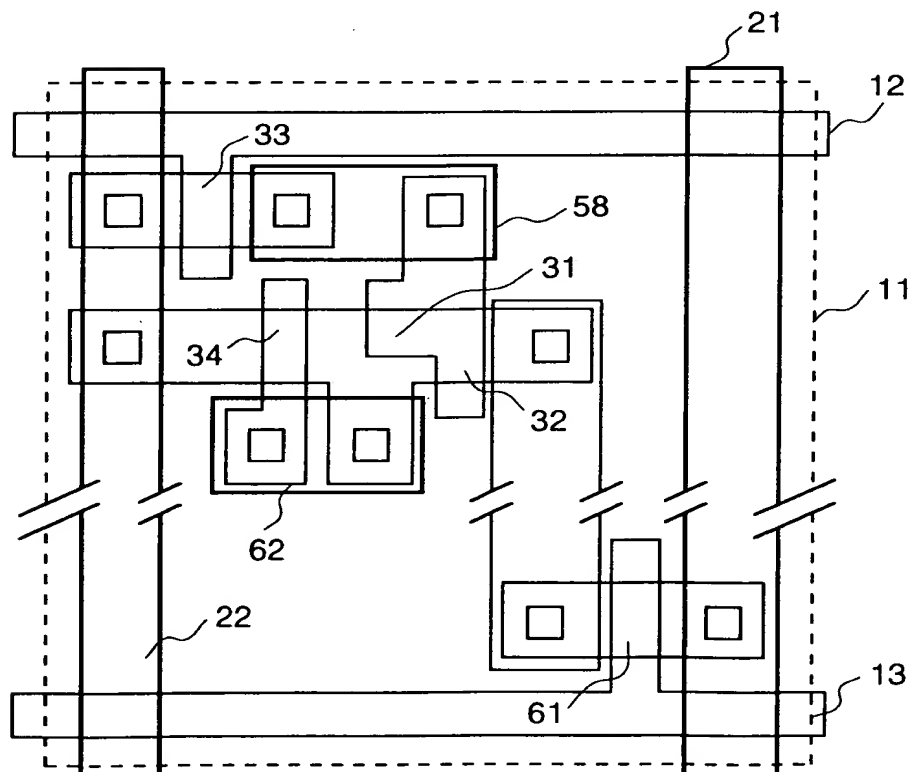


FIG. 8

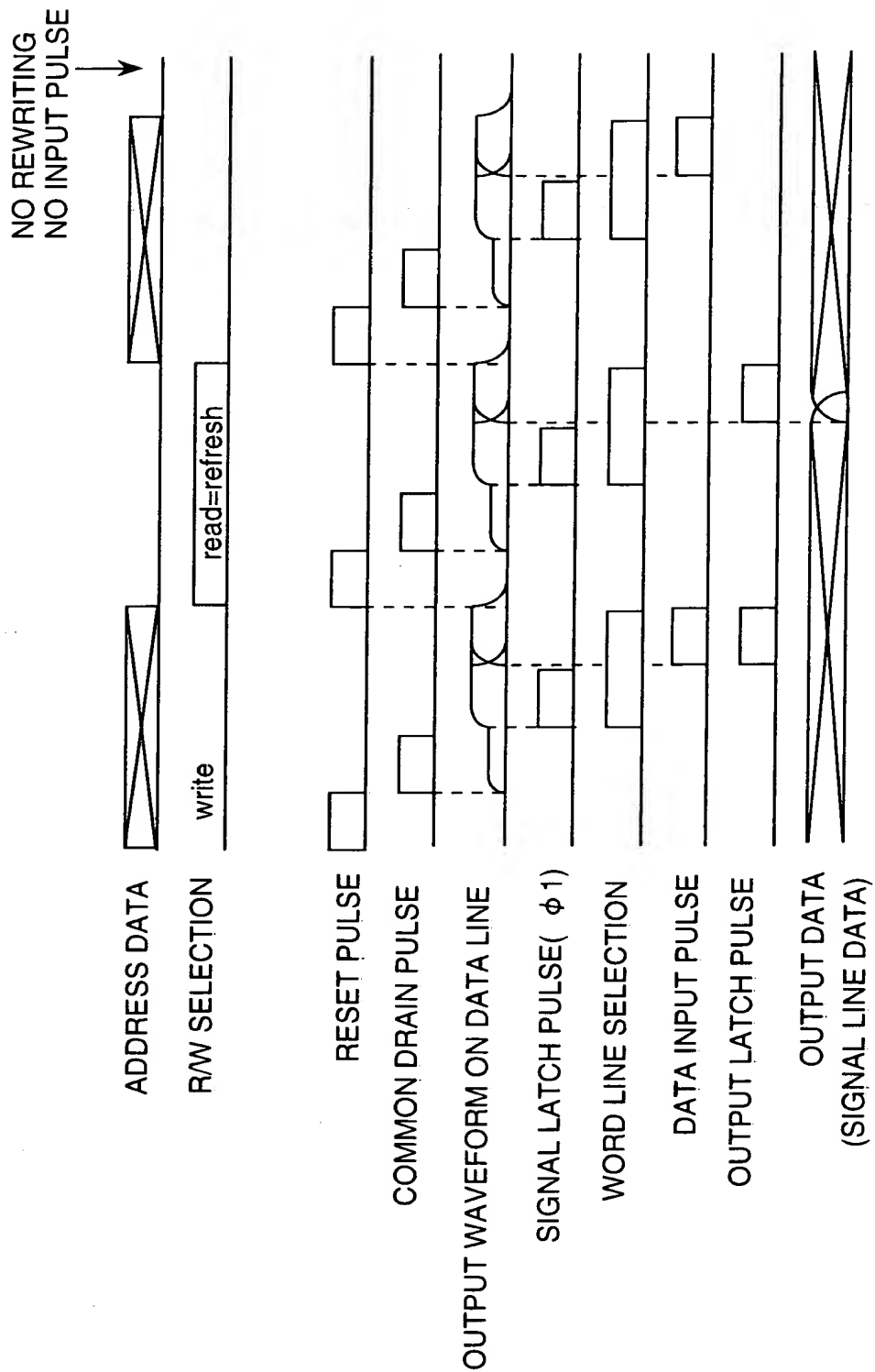


FIG. 9

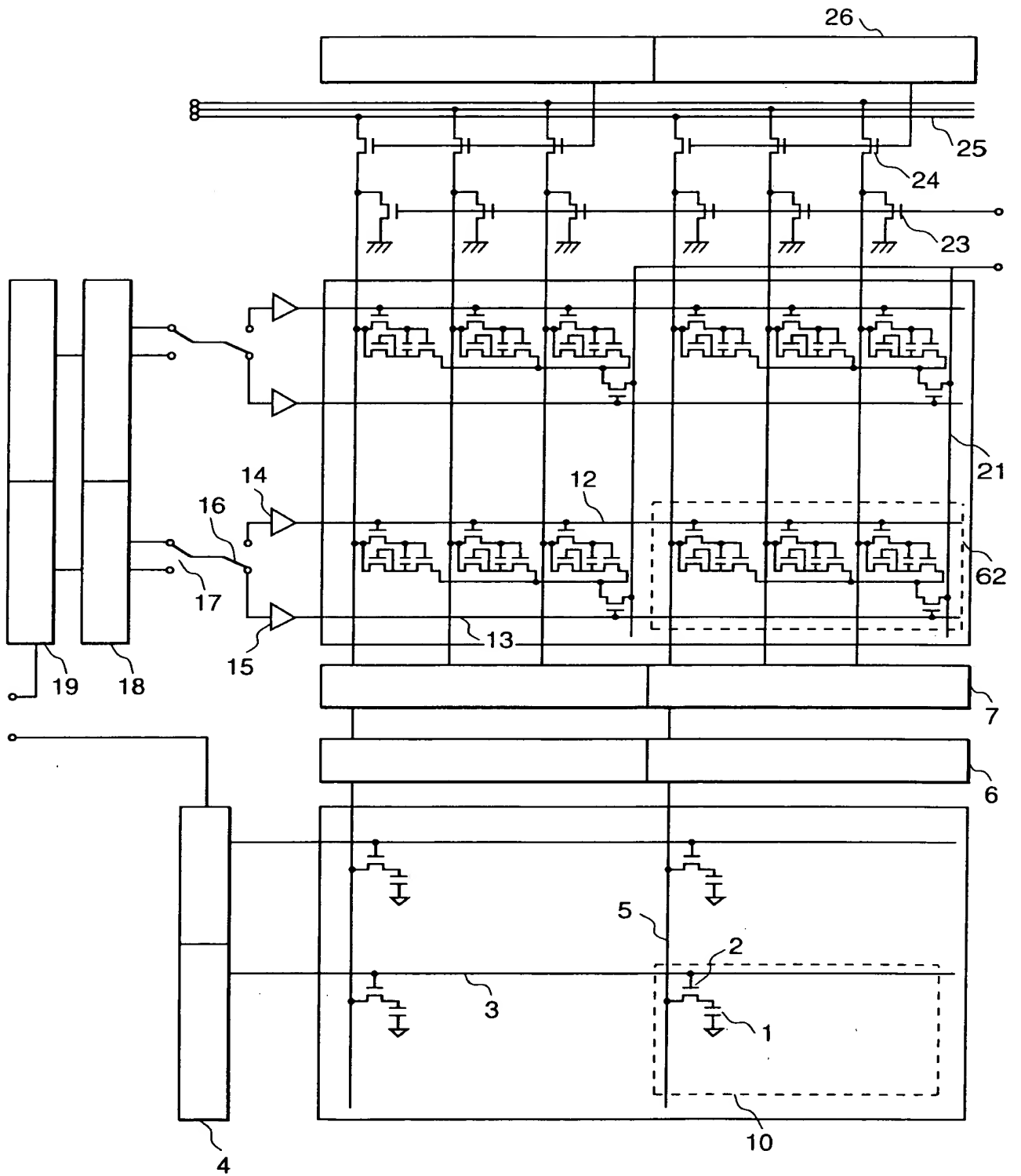


FIG. 9

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FIG. 10

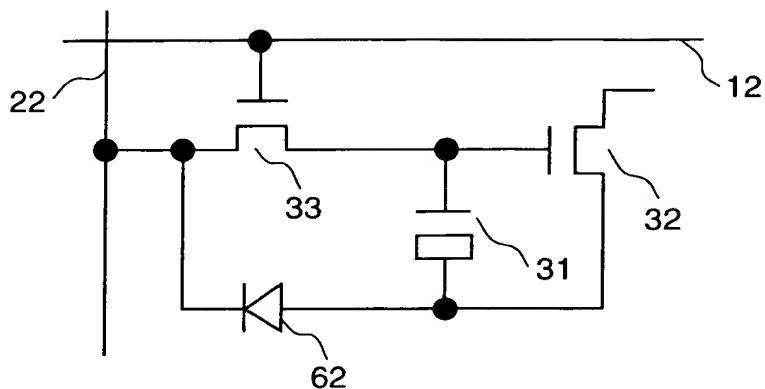


FIG. 13

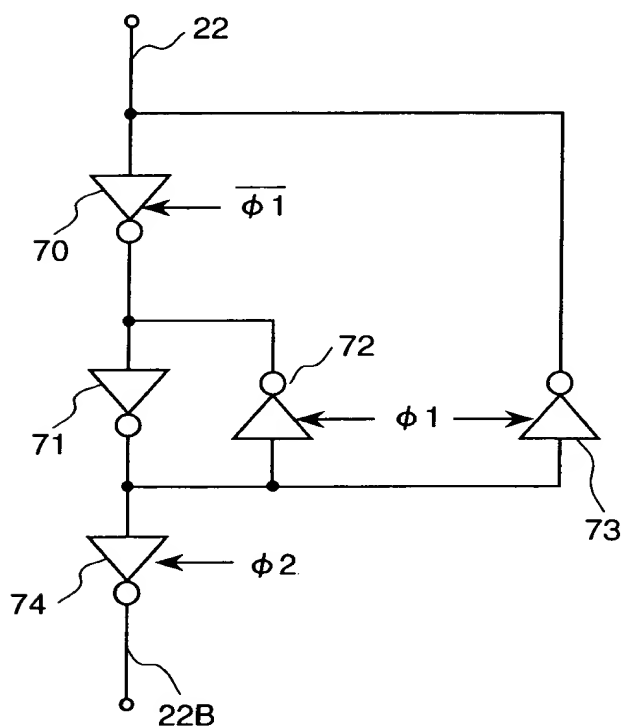
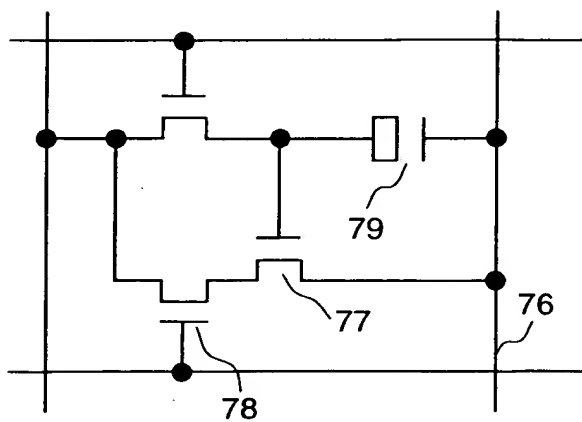


FIG. 15



The diagram illustrates a 2D array of crossbar switches. On the left, there are two vertical input buffers. Each buffer has two outputs, each passing through a switch and a buffer (represented by a triangle) before entering the array. The array itself consists of a grid of crossbar switches. A dashed box labeled 63 encloses a 2x2 sub-region of these switches. A label 64 points to a specific switch within this sub-region. At the top, there are two horizontal output buffers. Each buffer has two inputs, each receiving a signal from a switch in the array and passing it through a buffer (triangle) before exiting. At the bottom, there are two horizontal output buffers. Each buffer has two inputs, each receiving a signal from a switch in the array and passing it through a buffer (triangle) before exiting. A dashed box at the bottom right encloses a 2x2 sub-region of these bottom output buffers.



FIG. 12

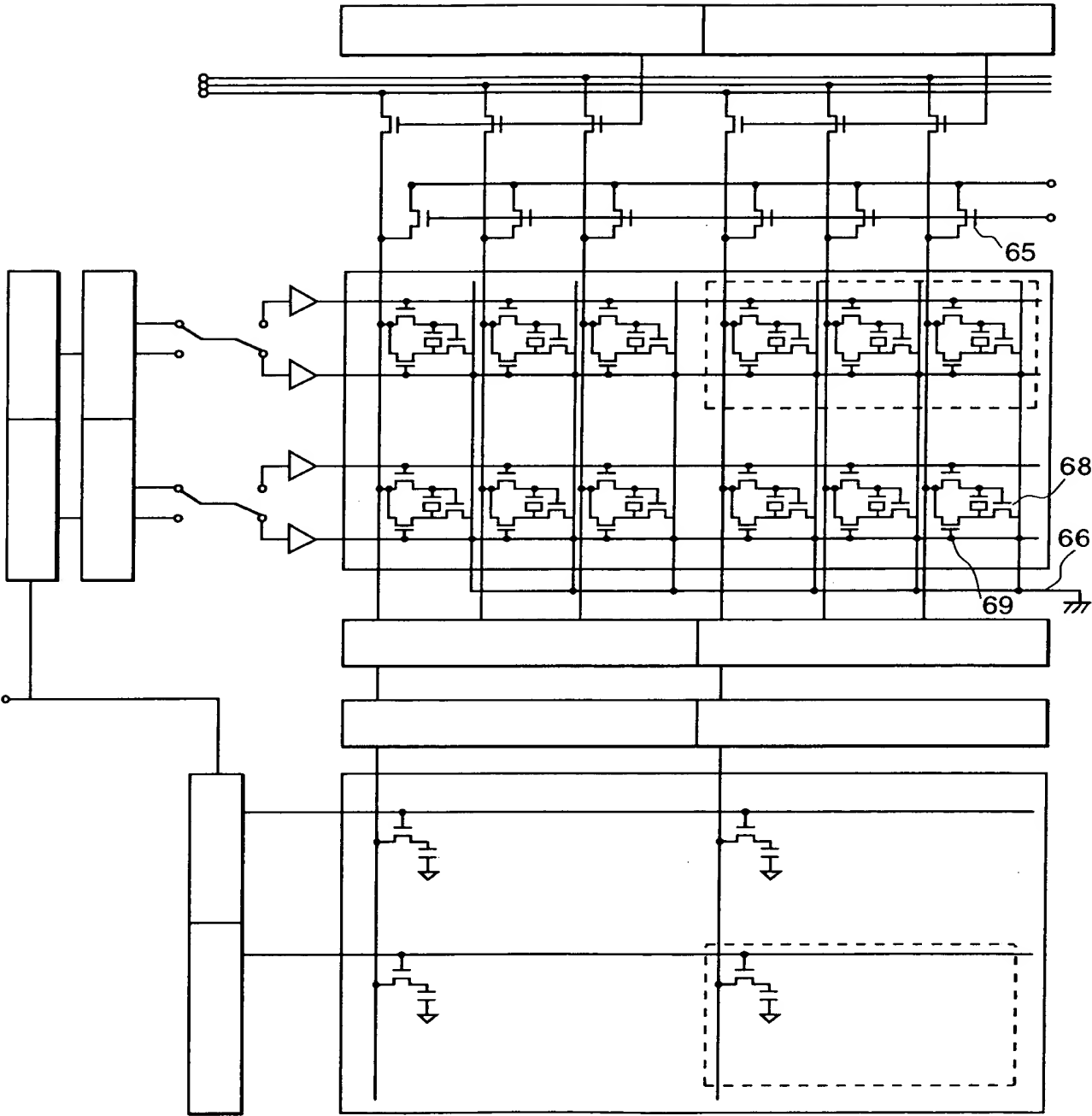


FIG. 14

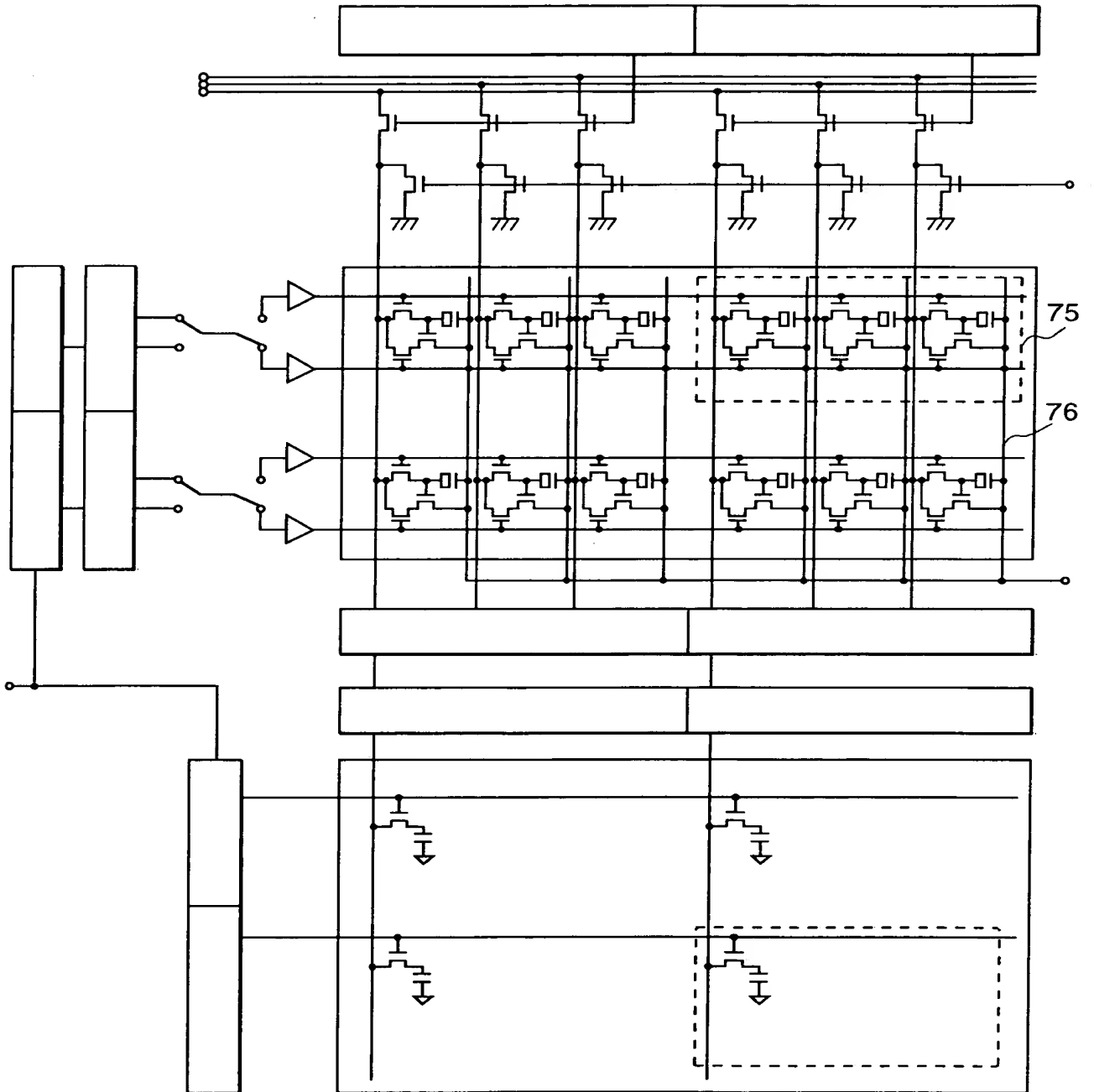


FIG. 16

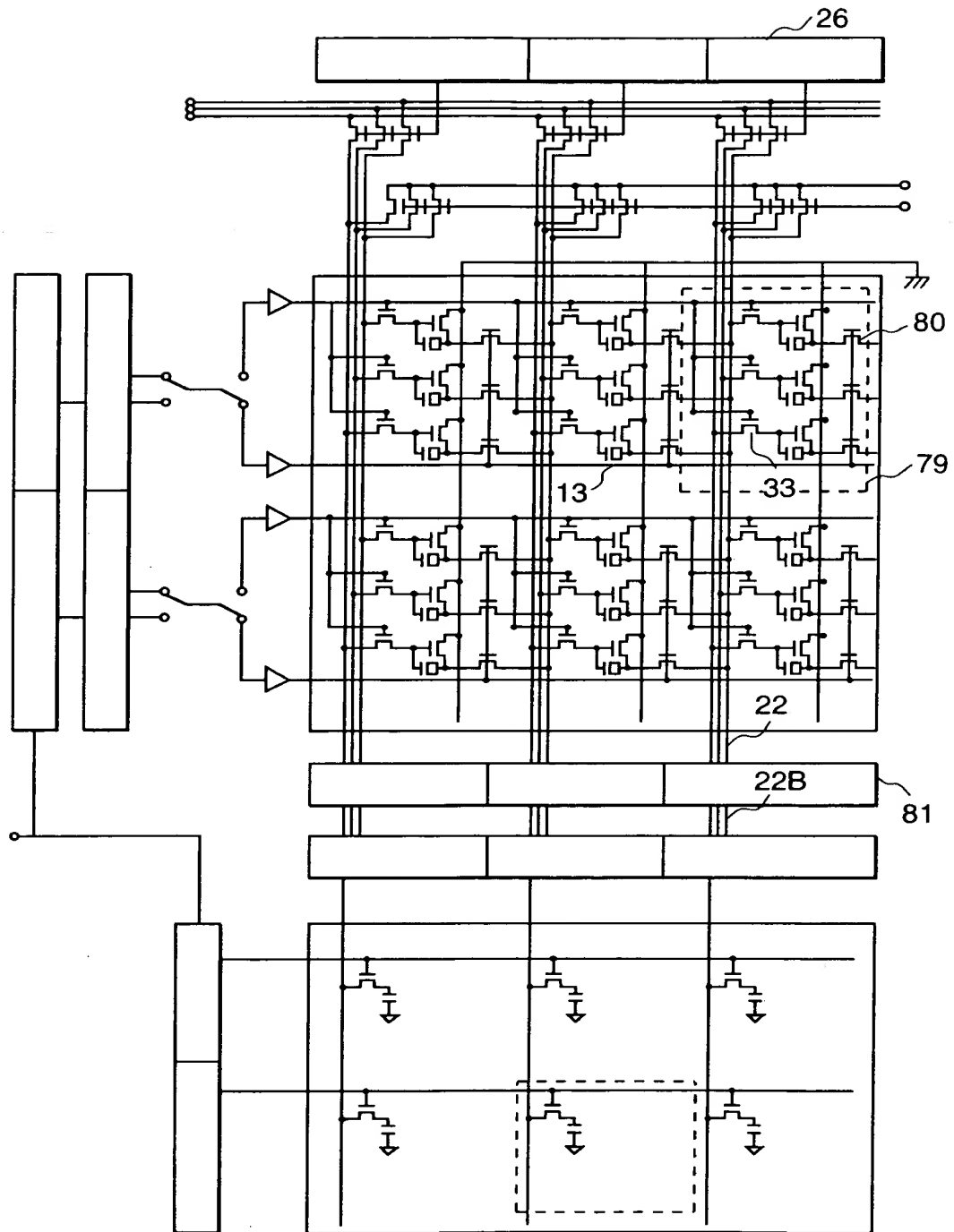


FIG. 16

FIG. 17

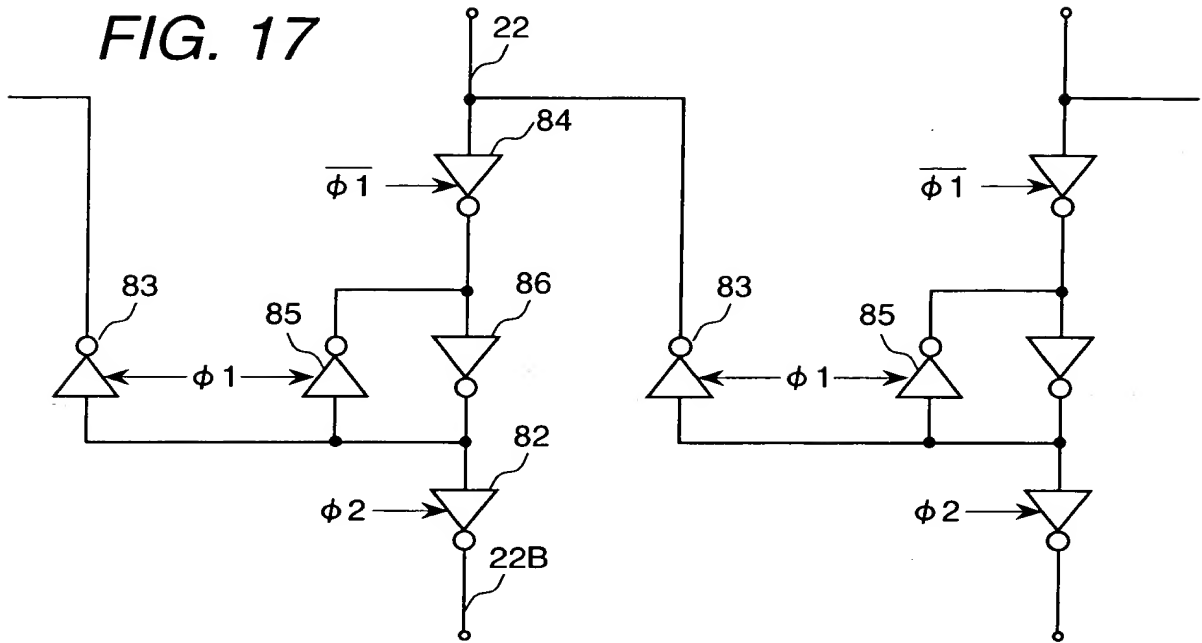


FIG. 18

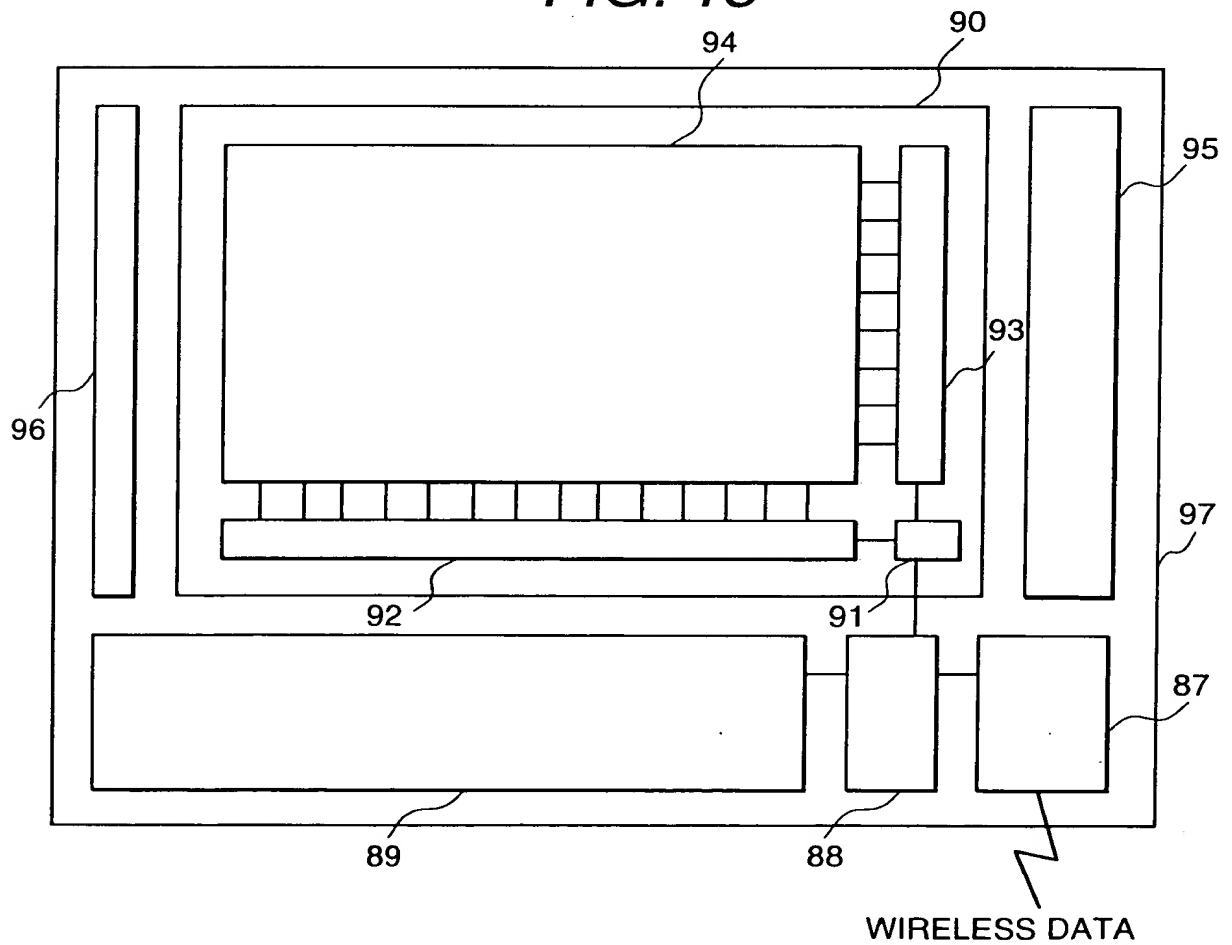


FIG. 19

